mp 108-110°. Citrate, C16H13CINO.C6H8O7, FC-1157a, Fareston. mp 160-162".

THERAP CAT: Antiestrogen; antineoplastic.

Toril Oll. From the fruit of Torilis anthriscus (L.) Gmel., Umbelliferae. A Japanese folk remedy for ascaris. It is relatively non-toxic for higher animals and very toxic for Lumbrious, leech and ascaris.

Torsemide. N-[[(1-Methylethyl)amino]carbonyl]-4-{(3-methylphenyl)aminol-3-pyridinesulfonamide; 1-isopro-pyl-3-{(4-m-toluidino-3-pyridyl)sulfonyl]urea; 3-isopropyl-oarbamylsulfonamido-4-(3'-methylphenyl)aminopyridine; py1-5-14-m-totutono-3-pyridylsuntonyljurea; 3-1sopropylvarbamylsulfonamido-4-(3'-methylphenyl)aminopyridine;
torasemide; AC-4464; BM-02015; JDL-464; Demadex;
Toradiur; Torem; Unat. C₁₆H₁₀N₄O₃S; mol wt 348.43. C
55.16%, H 5.79%, N 16.08%, O 13.78%, S 9.20%. Sulfonylurea loop diuretic. Prepn: J. E. DeLarge et al.; Ger. pat.
2,516,025; eidem, U.S. pat. 4,018,929 (1975, 1977 both to
A. Christiaens, S.A.); J. DeLarge, C. L. Lapiere, Ann.
Pharm. Fr. 36, 369 (1978). Pharmacokinetics in humans:
M. Lesne et al., Int. J. Clin. Pharmacol. Ther. Toxicol. 20,
382 (1982). Preliminary evaluation in acute heart failure:
R. Stroobandt et al., Arch. Int. Pharmacodyn. 260, 151
(1982). Clinical pharmacology: D. C. Brater et al., Clin.
Pharmacol. Ther. 42, 187 (1987). Series of articles on pharmacology, mode of action and renal effects in animals: Arznelmittel-Forsch. 35, 1520-1541 (1985); on pharmacology,
pharmacokinetics and clinical studies: Eur. J. Clin. Pharmacol. 31, Suppl., 1-55 (1986); Arznelmittel-Forsch. 38, 143214 (1988).

mp 163-164°. pKa 6.44. THERAP CAT: Diuretic.

9691. Torularhodin. 3',4'-Didehydro-β,ψ-caroten-16'oic acid. C₁₀H₃₃O₂; mol wt 564.85. C 85.06%, H 9.28%, O
5.66%. Carotenoid pigment found in Torula rubra and Rhodotorula mucilaginosa yeasts. Isoln: Karrer, Rutschmann, Helv. Chim. Acta 26, 2109 (1943). Structure and synthesis: Isler et al., ibid. 42, 864 (1959).

Fine dark purple needles from methanol + ether or toluene, mp 210-212 (vac, some decompn). Absorption max in CS₂: 582, 541, 502 nm; in methanol: 529, 493, 460 nm. Precly sol in carbon disulfide, chloroform, pyridine, less sol in ether, benzene, hot ethanol; sparingly sol in methanol. Practically insol in petr ether.

Methyl ester, C₄/H₅₄O₁, dark red needles from benzene + methanol, mp 172-173°.

9692. Tosufloxacin, 7-(3-Amino-1-pyrrolldinyl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid; A-61827. $C_{19}H_{15}F_3N_4O_3$; mol wt

C 56.44%, H 3.74%, F 14.10%, N 13.86%, O 404.35. C 55.44%, H 3.74%, P 14.10%, 14 13.86%, O 11.87%. Trifluorinated quinolone antibacterial. Prepn. H. 11.87%. Trifluorinated quinolone antuoacteriat. Prepn. H. Narita et al., Ger. pat. 3,514,076, C.A. 104, 1298887 (1986); Belg. pat. 904,086, C.A. 105, 208850w (1986); Y. Todo et al., U.S. pat. 4,704,459 (1985, 1985, 1987 all to Toyama); and activity: D. T. W. Chu et al., J. Med. Chem. 29, 2363 (1986); H. Narita et al., Yakugaku Zasshi 106, 802 (1986); C.A. 106, 196291v (1987). In vitro activity studies of the base: P. B. Fernandes et al., Antimicrob. Ag. Chemother. 32, 216281; and in vivo animal studies of the tolucresulfonate 27 (1988); and in vivo animal studies of the toluenesulfonate Takahata et al., J. Antimicrob. Chemother. 22, 143 (1988). Series of articles on antibacterial activity and clinical evaluation of the toluenesulfonate: Chemotherapy (Tokyo) 36, Suppl. 9, 1-1538 (1988).

Hydrochloride, C₁₉H₁₈F₃N₄O₃HCl, A-60969. Crystals from cone HCl-ethanol (1:3), mp 247-250° (dec).

Toluenesulfonic acid salt monohydrate, C₁₉H₁₅F₃N₄O₃C₂H₂O₃S.H₂O₃ tosufloxacin tosilate, A-64730, T-3262, Our, Tosuxacin. mp 258-260°.

THERAP CAT: Antibacterial.

9693. Toxaphene. Chlorinated camphene; camphechlor; polychlorocamphene; Hercules 3956; Alltox; Geniphene; Motox; Phenacide; Phenatox; Strobane-T; Toxakll very complex, but reproducible mixture of at least 177 A very complex, but reproducible mixture of at least 171. C₁₀ polychloro derivs., having an approx overall empirical formula of C₁₀H₁₀Cl_{1s}. Produced by the chlorination of camphene to 67-69% chlorine by weight and made up of compds of C₁₀H₁₆Cl_{1p} C₁₀H₁₈ a Cl (mostly polychlorobornanes) and C₁₀H₁₈ a Cl (mostly polychlorobornanes) and C₁₀H₁₈ a Cl (polychlorobornenes and/or polychlorobridy clenes) with n = 6 to 9. Prepn: Buntin, U.S. pat. 2,568,471 (1951 to Hercules Powder). Isoln of components in crystalline form: Casida et al., Science 183, 520 (1974); eldens, Agr. Food Chem. 22, 939 (1974). Acute toxicity data: T. B. Gaines, Toxicol. Appl. Pharmacol. 14, 515 (1969). Mutagnicity studies: N. K. Hooper et al., Science 205, 591 (1919). Livestock toxicity and tissue residues: L. Penumarthy et al. Vet. Toxicol. 18, 60 (1976). Reviews: Liebmahn et al., Ach. Pflanzenschutz 7, 131-150 (1971); F. Korte et al., Pure Appl. Chem. 51, 1583-1601 (1979); M. A. Saleh, Rev. Environ. Contam. Toxicol. 118, 1-85 (1990).
Yellow waxy solid, mp 65-90. Pleasant piney odor.

Contain. Toxicol. 118, 1-85 (1990).

Yellow waxy solid, mp 65-90°. Pleasant piney odor.

Vapor pressure at 20°: 3×10-7mm Hg. dis 1.630. Los partition coefficient in octanol/water 6.44. Dehydrochio rinates in the presence of alkall, prolonged exposure to sunlight, and at temps about 155°. Soly in water. 3 mg/light, and at temps about 155°. Soly in water. 3 mg/light, and at temps about 155°. Coly on water. 3 mg/light, and at temps about 155°. Soly in water. 3 mg/light, and at temps about 155°. Soly in water. 3 mg/light provided the property of the contained the contained

Caution: Potential symptoms of overexposure are nausch Caution: Potential symptoms of overexposure are nausal confusion, agitation, tremors, convulsions and unconscious ness; dry, red skin. See NIOSH Packel Guide to Chemical Hazards (DHHS/NIOSH 90-117; 1990) p. 62. See aligibility of the Chemical Toxicology of Commercial Products, R. B. Gossells Clinical Toxicology of Commercial Products, R. B. Gossells et al., Bds. (Williams & Wilkins, Ballimore, 5th ed. 1981) Section III, pp. 386-387. This substance may reasonably of anticipated to be a carcinogen: Seventh Annual Report of Carchogens (PB95-109781, 1994) p. 390.

USE: Insecticide. Compare Strobane, Not recommended for use in dairy barns or on milking animals (Penumarih). dermally (Gaines).

9694. Toxiferine I, C-Toxiferine I. (Calle NO) is From calabash curare: Schmid, Kairer, Hells. Chim. Acta 30, 1162 (1947); from Strychnos toxiferd Schomb. Logado ceae: Wicland et al., Ann. 547, 156 (1941); King. J. Chim. Soc. 1949, 3263. Identity with taxifering and toxifering Soc. 1949, 3263. Identity with toxifering V and toxifering

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